



Revision number: 1

Purchasing Agent: Debbie Gundersen

**Item: EQUIPMENT (NEW) CHEMICAL INJECTION SPRAYER, SKID MOUNTED**

Vendor: 97144A Green Pro West  
P O Box 617  
Emery UT 84522

Internet Homepage: [www.greenpro@ETV.NET](http://www.greenpro@ETV.NET)

Telephone: (435) 286-2424

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Contact: Dean Taylor

Email address: [GreenPro@ETV.NET](mailto:GreenPro@ETV.NET)

Brand/trade name: Spratronics Roadside R1-2000

Price: See Attached Price List

Terms: Net 30

Effective dates: 11/20/99 through 11/20/02

Days required for delivery: 60-90 Days ARO

Price guarantee period: 2 Years

Minimum order: One

Min shipment without charges:

Other conditions:

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REVISION #1: EXTENDING THIS CONTRACT UNTIL 11/20/02

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This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor (creating a PG in Finet) and make payments for the same on a PV referencing the original PG. Agencies will return to the vendor any invoice which reflects incorrect pricing.





- 1- Chemical injection sprayer, skid mounted Spratronics roadside R1-2000. \$20,967.00/each including shipping

#### SPECIFICATIONS:

The chemical injections sprayer skid mounted unit is to be a new unit of current model. The equipment is to meet the following minimum specifications but is not limited as to features furnished by the manufacturer. The equipment is to have all standard features. The equipment is to be delivered assembled, serviced, tested and ready to operate.

Equipment furnished to the State of Utah must meet current state and federal safety regulations.

It is the intent of this specification to describe a chemical injections sprayer that is skid mounted for vegetation control. Materials used shall be at minimum standards and of quality used commercially, conforming to current engineering and manufacturing practices. All components of the Chemical Injection Sprayer shall be of proper design to safely withstand maximum stress imposed. Any attachments, accessories, tools or other components normally furnished as standard equipment and necessary to the efficient operation of the Chemical Injection Sprayer shall be included.

- Water Tank:** 1000 gallon poly, elliptical tank, skid mounted with lifting eyes and fork receivers. The tank shall have an anti-surge "Butterfly Baffle" system that reduces tank in volume by no more than 1%. The tank will be saddle mounted and secured with a minimum of three (3) 11 gauge bands. The front and rear bands must have "D" ring tie-downs on each side of the tank. The tank lid will be 16-in diameter minimum locking type with an air vent to prevent damage from excessive pressure or vacuum. The lid will also include an anti-siphon fill system with a 4-in minimum air gap. The fill connection for attaching a loading hose will be a 2-in camlock with plug and retainer chain.
- Skid and Saddle:** Will be designed and constructed as a integral unit. It will be designed in such a manner that will support frequent lifts on and off of carrier vehicle. The saddles will consist of three (3) saddles 12-in wide formed to fit contour of tank. The side jacks supports between saddle sections and skid will be 1 ½ in square tubing. The cross members between skid longitudinal will be 2 in. by 6 in. tube steel. The rear skid will include a 4 in. by 8 in., forklift pockets and heavy-duty tailgate latch bar with 1 in. steel roll pins. The skid will have lifting eyes on each corner.
- Spray Head:** "Boomless" nutating spray head with seven (7) all solid stream nozzle assemblies, nine (9) solenoid/regulators and remote cab controls. (Diaphragm type solenoids are not acceptable) with adjustable pressure regulators and 2 ½ in. diameter liquid filled gauges. The spray head will be attached to a swing post that rotates a minimum of 180 degrees on either side of the skid. Will be a Norstar Model NS20108 or approved equal.
- Computer:** Will be Norstar/Tasc 6300 chemical injection control and pumping system with cab control mounting pedestal. The injection pumps required are two (2) model 150 Peristaltic type or approved equal. The computer will automatically maintain chemical application rates for a minimum of three (3) chemical injection pumps within a maximum range of plus or minus 2 percent. When spray width or vehicle speeds change, the computer will automatically adjust the chemical output (speed) of each injection pump. The computer will maintain primary and secondary application rates for each chemical injector pump and allow an operator to manually change rates on the go.
- Mechanical:** To be a Norstar RS6000 or approved equal. The console must include dual spray head tilt and fold switches, water pump on/off and start/stop switches and high/low speed and





six chemical tank low level indicators. All switches will be labeled for function and have indicator lights.

- Cone Tanks: Two (2) 70 gallon poly, cone bottom, chemical tanks with agitators and on/off, hi/low speed control in cab. Must have gallonage markers that are easily visible.
- Tank Agitators: Will be a Norstar NS40500 series or approved equal. The agitator drive motor will be mounted outside the tank for ease of maintenance. Tanks will include a steel reinforcement plate over the top of the tank to support agitator drive motor.
- Sprayer Pump: Will be a Hydro Model 9203C heavy-duty centrifugal type, capable of 90 PSI and 60 GPM. The pump will be belt driven from a Honda Model GX240QAE engine with a direct mount, heavy duty 12-volt DC, electromagnetic clutch or approved equal. The pumping system must maintain a constant water pressure to pressure regulators when operating nozzle assemblies individually and simultaneously.
- Reel Assembly: Will include a heavy-duty spring rewind reel with 75 ft. of ½ in. dia., 600 psi hose and a spraying system 43L handgun. A Norstar NS6520 flow switch will be installed in the handgun feed line.
- Paint: Will be standard manufacture color. Paint must have a two year warranty.
- Training: The unit shall be complete and ready for operation when delivered. A minimum of one day of training shall be provided with the unit when delivered.
- Delivery: Delivery is to be made 120 days of receipt of purchase order. Delivery date will be considered in evaluating bids.

Delivery must include the following:

- S dealers invoice
- S a copy of warranty
- S operators manual
- S two (2) sets of manuals including:  
parts lists, repair manual, operators manual

Cost of these manuals is to be included in bid price.

Reports:

The contractor will submit yearly reports to the State Purchasing Agent (Debbie Gundersen) showing quantities and dollar volume of purchases by each agency and political subdivision. This report will be due by 11/20/0000.

**FINET COMMODITY CODE(S): FOR AGENCY USE ONLY**

- 81085000000 - SPRAY EQUIPMENT, PESTICIDE, MACHINE POWERED, COMMERCIAL
- 81090000000 - SPRAY EQUIPMENT, PORTABLE, HAND POWERED